NAME OF WORK : Improvements to roads,drains and other development works at Yelahanka old town, Maruthinagara, sapthagiri layout Gandhinagara KHB Colony, Nehru nagara, Shivanahalli, PDMS APTS Premies and Surrounding areas in Ward No 01 of Yelahanka Division under Amruth Nagarothana Grants(PACKAGE NO 01)

Quality Control Reports

Second and Final Bill

(Book No.02)

QC ABSTRACT

ME OF WORK: Improvements to roads, drains and other developmental works at Yelahanka old town, uthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS nise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. CKAGE No-01)

O	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
	Materials					
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1

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		Core Compressive strength	One Test		1	1
7	KERB	Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
		Core Compressive Strength	One Test		1	1
8	Precast (100mm)	Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
		Core Compressive Strength	One Test		1	1
9	Precast (230mm)	Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
10	PCC(M15)	Compressive Strength(7days and 28days)	3 set /1-5 cum	2.75	6	6
11	RCC(M25)	Compressive Strength(7days and 28days)	4 set /6-15 cum	9.58	8	8
11	RCC(M20)	Compressive Strength(7days and 28days)	8 set /200-300 cum	234.89	16	16
12	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	11 set /300-400 cum	394.04	22	22
13	GSB	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
14	Mortar Sand	Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
15	Plaster Sand	Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date:

Lab ID	:	**CP-2023-02-21-10**
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	16-12-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	17-12-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.75	–
2	Finess by Air permeablity method (m^2/kg,Min)	281.4	225m^2/kg, Min
3	Density (gm/cc)	3.14	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	280 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

• The results obtained are satisfactory as per standard requirements

A.E.E

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 14-01-23

Lab ID	:	**CP-2023-02-21-10**
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Sathcesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	16-12-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269 2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5) 1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	17-12-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	38.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	57.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-02-21-10** **Date: 19-12-22**
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	16-12-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-12-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	242	242	1.6	98.4	90-100
3	20 mm	5437	5679	37.9	62.1	30-70
4	10 mm	4339	10018	66.8	33.2	10-35
5	4.75 mm	4649	14667	97.8	2.2	0-5
6	Pan	333	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2023-02-21-10 **Date: 19-12-22**
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	16-12-22
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	16-12-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	240	240	4.8	95.2	90-100
3	10 mm	2567	2807	56.1	43.9	25-55
4	4.75 mm	2030	4837	96.7	3.3	0-10
5	Pan	163	5000	100	0	_

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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Date: 19-12-22

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	16-12-22
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	16-12-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	78	78	7.8	92.2	90-100	90-100	90-100	95-100
3	2.36 mm	65	143	14.3	85.7	60-95	75-100	85-100	95-100
4	1.18 mm	244	387	38.7	61.3	30-70	55-90	75-100	90-100
5	600 micron	215	602	60.2	39.8	15-34	35-59	60-79	80-100
6	300 micron	178	780	78.0	22.0	5-20	8-30	12-40	15-50
7	150 micron	141	921	92.1	7.9	0-10	0-10	0-10	0-15
8	Pan	79	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

Date: 10-01-23

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	06-01-23
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	06/01/2023
Grade of Kerb	:	M20

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	70.44	100.00	2.301	3896	82.1	21.1	21.1	26.3
2	B	70.68	100.02	2.375	3923	85.2	21.7	21.7	27.1
3	C	70.26	100.01	2.423	3876	89.1	23.0	23.0	28.7

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/01/2023

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	23-12-22
Customer ID	:	Bangla School Footing Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Bangla School Footing Concrete	M25	21/12/2022	18/01/2023	151.09 X 151.41 X 150.58	22876	8.363	634.8	27.8	27.6
2	Bangla School Footing Concrete	M25	21/12/2022	18/01/2023	149.92 X 149.74 X 149.44	22449	9.077	591.8	26.4	
3	Bangla School Footing Concrete	M25	21/12/2022	18/01/2023	150.51 X 149.25 X 149.29	22464	8.761	646.8	28.8	

The results obtained are satisfactory as per standard requirements.

A.E.E

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 25/01/2023

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	30-12-22
Customer ID	:	Bangla School Plinth Beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	25/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Bangla School Plinth Beam	M25	28/12/2022	25/01/2023	150.96 X 149.45 X 151.56	22561	8.438	624.3	27.7	27.7
2	Bangla School Plinth Beam	M25	28/12/2022	25/01/2023	151.85 X 151.03 X 150.90	22934	9.064	612.4	26.7	
3	Bangla School Plinth Beam	M25	28/12/2022	25/01/2023	151.63 X 149.80 X 151.56	22715	8.992	649.2	28.6	

The results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL Pro Sig Date BANGALORE

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Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 01/02/2023

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	06-01-23
Customer ID	:	Bangla School Column up to ground level
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Bangla School Column up to ground level	M25	04/01/2023	01/02/2023	149.98 X 150.04 X 151.16	22504	8.575	609.2	27.1	27.4
2	Bangla School Column up to ground level	M25	04/01/2023	01/02/2023	149.37 X 149.93 X 151.69	22396	8.698	601.3	26.8	
3	Bangla School Column up to ground level	M25	04/01/2023	01/02/2023	149.08 X 150.72 X 150.15	22470	8.929	635.0	28.3	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2023-02-21-10 **Date: 30-01-23**
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	26-01-23
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	26-01-23

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	400	198	202	15998	32.52	2033.0	2032.5	Not less than 1800Kg/m^3
2	400	200	201	16080	32.19	2002.1		
3	404	200	202	16322	33.66	2062.4		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.58	32.30	3.80	3.99	Shall not be more than 10% by mass
2	33.48	32.07	4.20		
3	33.15	31.83	3.98		

A.E.E

CIVIL Pro Sig..... Date..... BANGALORE

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ab ID	:	CP-2023-02-21-10 **Date: 18/01/2023**
roject Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
gency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
ustomer's Reference	:	BBMP/EE/YNK D/EPMT-06/W.O/34/2022-23
ate of Receipt	:	13-01-23
ustomer ID	:	Compound Wall Bangla School East Side
ample Type /Size	:	150X150X150 mm
ample grade/Age	:	M15 / 7 Days Compressive Strength
eference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
ate of test	:	18/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Compound Wall Bangla School East Side	M15	11/01/2023	18/01/2023	151 70 X 149 77 X 150 50	22720	8 340	293 7	12 9	12 7
2	Compound Wall Bangla School East Side	M15	11/01/2023	18/01/2023	151 94 X 151 14 X 151 16	22963	8 706	289 6	12 6	
3	Compound Wall Bangla School East Side	M15	11/01/2023	18/01/2023	151 30 X 151 57 X 151 16	22932	9 092	287 6	12 5	

The results obtained are satisfactory as per standard requirements.

M.E.E

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-02-21-10 **Date: 20/01/2023**
ect Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
ıcy	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
omer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
of Receipt	:	26-12-22
omer ID	:	Drain Bottom Raft- BSF Campus
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
of test	:	20/01/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Bottom Raft-BSF Campus	M20	23/12/2022	20/01/2023	149.19 X 150.20 X 150.26	22408	8.827	519.5	23.2	23.1
Drain Bottom Raft-BSF Campus	M20	23/12/2022	20/01/2023	149.28 X 149.19 X 151.57	22271	8.477	500.2	22.5	
Drain Bottom Raft-BSF Campus	M20	23/12/2022	20/01/2023	149.92 X 151.13 X 150.64	22657	8.583	536.2	23.7	

results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig Date BANGALORE

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2023-02-21-10 **Date: 21/01/2023**
ct Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
ncy	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
omer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
of Receipt	:	26-12-22
omer ID	:	Drain Bottom Raft- Cross Road
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M20 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
of test	:	21/01/2023

	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Drain Bottom Raft-Cross Road	M20	24/12/2022	21/01/2023	149.23 X 149.62 X 150.87	22328	8.849	534.2	23.9	23.3
	Drain Bottom Raft-Cross Road	M20	24/12/2022	21/01/2023	151.54 X 149.80 X 150.18	22700	8.403	514.1	22.6	
	Drain Bottom Raft-Cross Road	M20	24/12/2022	21/01/2023	151.61 X 151.37 X 151.56	22950	8.191	535.8	23.3	

e results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-02-21-10 **Date: 02/01/2023**

t Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

y : M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

mer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

f Receipt : 27-12-22

mer ID : Culvert Bottom Raft- BSF Campus

e Type /Size : 150X150X150 mm

le grade/Age : M20 / 7 Days Compressive Strength

ence to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

f test : 01/01/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Bottom Raft-BSF Campus	M20	25/12/2022	01/01/2023	149.37 X 150.92 X 149.34	22543	8.173	414.5	18.4	18.7
Culvert Bottom Raft-BSF Campus	M20	25/12/2022	01/01/2023	149.84 X 149.94 X 149.03	22467	8.142	420.3	18.7	
Culvert Bottom Raft-BSF Campus	M20	25/12/2022	01/01/2023	150.67 X 151.42 X 150.99	22815	8.749	431.8	18.9	

esults obtained are satisfactory as per standard requirements.

A.E.E

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-02-21-10 **Date: 03/01/2023**

Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

: M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

aer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

f Receipt : 29-12-22

ner ID : Culvert Side Wall- BSF Campus

e Type /Size : 150X150X150 mm

e grade/Age : M20 / 7 Days Compressive Strength

nce to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

f test : 03/01/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Culvert Side Wall-BSF Campus	M20	27/12/2022	03/01/2023	150.97 X 151.47 X 150.52	22869	8.293	433.5	19.0	18.6
Culvert Side Wall-BSF Campus	M20	27/12/2022	03/01/2023	149.77 X 151.65 X 150.92	22712	8.125	417.1	18.4	
Culvert Side Wall-BSF Campus	M20	27/12/2022	03/01/2023	150.61 X 150.53 X 149.69	22671	8.551	420.8	18.6	

results obtained are satisfactory as per standard requirements.

A.E.E

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

	:	CP-2023-02-21-10 **Date: 27/01/2023**
Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
y	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
f Receipt	:	02-01-23
mer ID	:	Bed Concrete- BSF Campus
le Type /Size	:	150X150X150 mm
le grade/Age	:	M20 / 28 Days Compressive Strength
ence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
of test	:	27/01/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Bed Concrete- BSF Campus	M20	30/12/2022	27/01/2023	151.93 X 149.06 X 149.41	22648	8.598	521.8	23.0	23.0
Bed Concrete- BSF Campus	M20	30/12/2022	27/01/2023	149.21 X 151.36 X 150.67	22584	8.775	502.4	22.2	
Bed Concrete- BSF Campus	M20	30/12/2022	27/01/2023	151.76 X 150.03 X 151.02	22767	8.145	536.7	23.6	

results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL Pro Sig Date BANGALORE

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2023-02-21-10 **Date: 07/02/2023**

e : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants (PACKAGE No-01)

: M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

ript : 11-01-23

D : CC Road- Maheshwaramma Layout, 1st Cross Road

e /Size : 150X150X150 mm

de/Age : M30 / 28 Days Compressive Strength

o BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete CI 5

: 06/02/2023

entification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
CC Road- aheshwaramma ut, 1st Cross Road	M30	09/01/2023	06/02/2023	149.29 X 150.86 X 149.49	22522	9.071	746.8	33.2	33.0
CC Road- aheshwaramma ut, 1st Cross Road	M30	09/01/2023	06/02/2023	149.98 X 150.35 X 151.52	22549	8.169	735.6	32.6	
CC Road- aheshwaramma ut, 1st Cross Road	M30	09/01/2023	06/02/2023	150.78 X 149.25 X 151.67	22504	8.867	750.7	33.4	

ts obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

D	:	CP-2023-02-21-10 **Date: 07/02/2023**
et Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
ty	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
mer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
of Receipt	:	12-01-23
mer ID	:	CC Road-Opposite to Maheshwaramma Temple
le Type /Size	:	150X150X150 mm
le grade/Age	:	M30 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
of test	:	07/02/2023

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
CC Road-Opposite to Maheshwaramma Temple	M30	10/01/2023	07/02/2023	151.63 X 151.32 X 150.43	22946	8.345	774.8	33.8	33.0
CC Road-Opposite to Maheshwaramma Temple	M30	10/01/2023	07/02/2023	150.54 X 150.69 X 149.27	22685	8.389	728.9	32.1	
CC Road-Opposite to Maheshwaramma Temple	M30	10/01/2023	07/02/2023	149.94 X 151.87 X 149.94	22772	9.093	756.7	33.2	

results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL Pro Sig Date BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-10

Date: 08/02/2023

Project Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

Agency : M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

Date of Receipt : 13-01-23

Customer ID : CC Road-2nd Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date of test : 08/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Road-2nd Cross Road	M30	11/01/2023	08/02/2023	150.60 X 149.07 X 150.19	22450	8.779	745.9	33.2	33.2
2	CC Road-2nd Cross Road	M30	11/01/2023	08/02/2023	149.01 X 150.72 X 150.70	22458	8.623	731.3	32.6	
3	CC Road-2nd Cross Road	M30	11/01/2023	08/02/2023	151.33 X 149.22 X 149.38	22582	8.519	764.7	33.9	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-10

Date: 20/01/2023

Project Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

Agency : M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

Date of Receipt : 15-01-23

Customer ID : CC Road-Dormetry Office Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Road-Dormetry Office Road	M30	13/01/2023	20/01/2023	151.81 X 150.32 X 149.87	22821	8.941	590.9	25.9	25.5
2	CC Road-Dormetry Office Road	M30	13/01/2023	20/01/2023	149.71 X 151.58 X 150.29	22692	8.433	591.2	26.1	
3	CC Road-Dormetry Office Road	M30	13/01/2023	20/01/2023	149.36 X 151.42 X 149.13	22615	9.046	553.0	24.5	

The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-21-10

Date: 10/02/2023

Project Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

Agency : M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

Date of Receipt : 15-01-23

Customer ID : CC Road-Dormetry Office Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	CC Road-Dormetry Office Road	M30	13/01/2023	10/02/2023	151.47 X 149.95 X 150.59	22713	8.604	755.6	33.3	33.1
2	CC Road-Dormetry Office Road	M30	13/01/2023	10/02/2023	151.21 X 150.29 X 149.82	22726	9.054	744.8	32.8	
3	CC Road-Dormetry Office Road	M30	13/01/2023	10/02/2023	149.21 X 151.44 X 149.95	22597	8.231	754.5	33.4	

* The results obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig Date BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 11/02/2023

Lab ID	:	CP-2023-02-21-10
Project Name	:	Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)
Agency	:	M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23
Date of Receipt	:	17-01-23
Customer ID	:	CC Road- Maruthi Nagar,3rd main 7th Cross Road
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	11/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	11/02/2023	151.89 X 150.66 X 149.76	22883	8.809	760.4	33.2	33.0
2	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	11/02/2023	150.21 X 151.39 X 150.47	22740	8.682	731.8	32.2	
3	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	11/02/2023	151.58 X 149.82 X 150.72	22711	8.498	763.8	33.6	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2023-02-21-10

Date: 21/01/2023

Project Name : Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri Layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01)

Agency : M/S Sathya Constructions, Prop. Rajeshwaran Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-06/W.O/34/2022-23

Date of Receipt : 16-01-23

Customer ID : CC Road- Maruthi Nagar,3rd main 7th Cross Road

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	21/01/2023	149.22 X 151.22 X 151.04	22565	8.433	565.8	25.1	25.3
2	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	21/01/2023	149.51 X 151.09 X 150.16	22590	8.908	591.0	26.2	
3	CC Road- Maruthi Nagar,3rd main 7th Cross Road	M30	14/01/2023	21/01/2023	149.37 X 149.55 X 150.50	22337	8.716	552.3	24.7	

The results obtained are satisfactory as per standard requirements.

A.E.E

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